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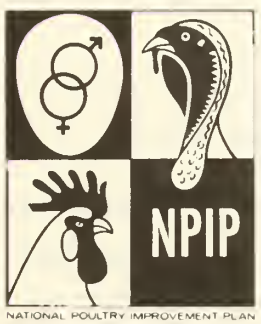
**Animal and
Plant Health
Inspection
Service**

Veterinary
Services

APHIS 91-43
April 1980

National Poultry Improvement Plan

Tables on Hatchery and Flock Participation 1977-78 and 1978-79



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NATIONAL POULTRY IMPROVEMENT PLAN

The National Poultry Improvement Plan became operative July 1, 1935, and the National Turkey Improvement Plan became operative September 25, 1943, with the approval of the Secretary of Agriculture. On December 3, 1971, the two Plans were combined under one title, "The National Poultry Improvement Plan," with separate provisions applicable to the different types of poultry.

The Plan operates under the authority of an appropriation made by Congress to the United States Department of Agriculture to be used in cooperation with the State authorities in the administration of regulations for the improvement of poultry, poultry products, and hatcheries. Authority for the administration of the Plan is now contained in the Department of Agriculture Organic Act of 1944, as amended (7 U.S.C. 429).

Provisions of the Plan are changed from time to time to conform with the development of the industry and with new information as it becomes available. These changes are based on recommendations made at the Biennial National Plan Conferences by official delegates representing participating breeders, hatcheries, and flockowners from all cooperating States. Current provisions of the Plan are described in a publication entitled "The National Poultry Improvement Plan and Auxiliary Provisions." The publication is available from Official State Agencies or on request to the National Poultry Improvement Plan, APHIS-VS, Building 265, BARC-East, Beltsville, Maryland 20705.

The Federal administration of the National Poultry Improvement Plan was transferred to the Animal and Plant Health Inspection Service-Veterinary Services (APHIS-VS) in 1979. It previously was administered under the Science and Education Administration-Agricultural Research (SEA-AR) a sister agency in the United States Department of Agriculture.

National Poultry Improvement Plan--Tables on Hatchery and Flock Participation, 1978-79, APHIS 91-43.

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NATIONAL POULTRY IMPROVEMENT PLAN
APHIS-91-43
TABLES ON HATCHERY AND FLOCK PARTICIPATION

HIGHLIGHTS FOR TESTING YEAR 1978-79

"U.S. Pullorum-Typhoid Clean State"

With Tennessee and Texas joining the States qualified as "U.S. Pullorum-Typhoid Clean State," there now are 23 States which have earned this classification under the National Poultry Improvement Plan. The other States, in alphabetical order, are: Alabama, Arkansas, Connecticut, Florida, Georgia, Illinois, Iowa, Maine, Massachusetts, Minnesota, Mississippi, Nebraska, New Hampshire, North Carolina, North Dakota, Ohio, Pennsylvania, South Dakota, Utah, Vermont, and Virginia. In addition, Missouri, Oregon, and Washington have qualified for the classification of "U.S. Pullorum-Typhoid Clean State, Turkeys."

Hatcheries

In all categories of hatcheries, the number decreased, when compared with last year, while the hatching egg capacity increased. The largest capacity increase was for those hatching egg and meat-type chickens, where capacity for nearly 30 million eggs was added. This brought the average size hatchery up to 645,483 egg capacity, a new high. Those that produced "U.S. M. Gallisepticum Clean" chicks accounted for 33.6 percent of all capacity while those that produced "U.S. M. Synoviae Clean" products accounted for 29 percent of the 351.8 million egg capacity which was producing products classified "U.S. Pullorum-Typhoid Clean." The number of Turkey hatcheries fell below 100 for the first time since 1944, but the total hatching egg capacity increased 7.4 percent to over 30 million eggs. Over 90 percent of this capacity produced poultry which were also classified as "U.S. M. Gallisepticum Clean." There was a slight decrease in the number hatching waterfowl, exhibition poultry, and game birds, although their capacity increased over one million eggs to 5.3 million.

Flocks

Egg-Type Chicken Breeding Flocks - The number of egg-type breeding birds which were participating in the National Poultry Improvement Plan continued to decline in 1978-79, with just over 4 million birds being classified as "U.S. Pullorum-Typhoid Clean." However, the number of these participating breeders which also were tested for M. gallisepticum and M. synoviae continued to increase. Nearly 2.1 million were classified as "U.S. M. Gallisepticum Clean," and 1.6 million were classified as "U.S. M. Synoviae Clean." These figures represent 51.1 and 39.1 percent, respectively, of the total number receiving a pullorum-typhoid classification.

Meat-Type Chicken Breeding Flocks - There was a substantial increase over last year in both the number of meat-type breeding flocks and breeding birds which were classified as "U.S. Pullorum-Typhoid Clean." Of the 3,015 flocks which were blood-tested, not a single one was found to be positive for these two diseases. Over 33 percent of the 29 million breeding birds classified as "U.S. Pullorum-Typhoid Clean" were also classified as "U.S. M. Gallisepticum Clean." This represented a 33 percent increase over 1977-78. The 9 million breeding birds which attained the classification "U.S. M. Synoviae Clean" represented a 35 percent increase over last year.

Turkey Breeding Flocks - Slightly less than 3 million turkey breeders in 672 flocks were classified as "U.S. Pullorum-Typhoid Clean" in 1978-79. This represented an increase of nearly half a million breeders. No reactors were found for the ninth consecutive year. Breeders classified as "U.S. M. Gallisepticum Clean" totaled 2.97 million which represented 99.7 percent of all birds that participated in the National Poultry Improvement Plan.

Waterfowl, Exhibition Poultry, and Game Bird Breeding Flocks - There was a slight increase (0.6%) in the number of flocks and a substantial increase (18.6%) in the number of breeding birds which were classified as "U.S. Pullorum-Typhoid Clean." These continued increases in participation reflect the efforts of additional States to include this segment of the poultry industry in the pullorum-typhoid blood-testing program, as part of the requirements for a State to qualify as a "U.S. Pullorum-Typhoid Clean State."

TABLE 1.--HATCHERY PARTICIPATION
in the National Poultry Improvement Plan
TESTING YEARS 1976-77 to 1978-79

TYPE OF POULTRY HATCHED	1976-77	1977-78	1978-79
EGG AND MEAT-TYPE CHICKENS:			
Participating----------number-	593	567	545
Change from previous year---------pct.-	-1.6	-4.4	-3.9
Proportion of U.S. hatcheries 1/--pct.-	89.2	--	94.9
Capacity----------eggs-	341,662,389	322,975,983 2/	351,788,347 2/
Change from previous year---------pct.-	+8.5	-5.5	+8.9
Proportion of U.S. hatcheries 1/--pct.-	81.3	--	76.0
Average per hatchery----------eggs-	600,461	594,930	645,483
Producing "U.S. M. Gallisepticum Clean" chicks----------number-	117	111	120
Capacity----------eggs-	106,408,802	109,745,682	118,217,370
Proportion of NPIP capacity-------pct.-	31.1	33.7	33.6
Producing "U.S. M. Synoviae Clean" chicks----------number-	74	84	93
Capacity----------eggs-	76,329,140	85,199,892	102,159,360
Proportion of NPIP capacity-------pct.-	22.3	26.1	29.0
Participating dealers----------number-	194	177	210
Participating independent flocks--number-	15	14	7
TURKEYS:			
Participating----------number-	126	101	95
Change from previous year---------pct.-	-1.6	-19.8	-5.9
Proportion of U.S. hatcheries 1/--pct.-	84.6	--	75.4
Capacity----------eggs-	39,061,407	27,948,772 2/	30,015,925 2/
Change from previous year---------pct.-	+6.5	-28.4	+7.4
Proportion of U.S. hatcheries 1/--pct.-	96.7	--	81.8
Average per hatchery----------eggs-	315,011	307,129	315,957
Producing "U.S. M. Gallisepticum Clean" poults----------number-	109	84	79
Capacity----------eggs-	37,222,339	25,779,968 2/	27,587,181
Proportion of NPIP capacity-------pct.-	95.3	92.2	91.9
Participating dealers----------number-	29	28	27
Participating independent flocks--number-	69	59	57
WATERFOWL, EXHIBITION POULTRY, AND GAME BIRDS:			
Participating----------number-	360	382	370
Change from previous year---------pct.-	+32.8	+6.1	-3.1
Capacity----------eggs-	4,020,400	4,249,596 2/	5,290,517 2/
Change from previous year---------pct.-	+30.5	+5.7	+24.5
Average per hatchery----------eggs-	12,220	11,125	14,299
Producing "U.S. M. Gallisepticum Clean" baby poultry----------number-	--	--	--
Capacity----------eggs-	--	--	--
Proportion of NPIP capacity-------pct.-	--	--	--
Participating dealers----------number-	140	270	94
Participating independent flocks--number-	828	710	969

1/ Based on all U.S. commercial hatcheries as reported by Economics, Statistics, and Cooperatives Service, USDA.

2/ Hatching egg capacity for California not reported.

TABLE 2.--EGG-TYPE CHICKEN BREEDING FLOCKS
in the National Poultry Improvement Plan
PARTICIPATION AND TESTING SUMMARY
TESTING YEARS 1976-77 to 1978-79

PROGRAM	1976-77	1977-78	1978-79 1/
U.S. PULLORUM-TYPHOID CLEAN:			
Participating----------number-	1,416	1,202	1,026
Change from previous year---------pct.-	0.0	-15.1	-14.6
Birds in flocks----------number-	4,859,762	4,573,724	4,074,792
Change from previous year---------pct.-	+7.3	-5.9	-10.9
Average per flock----------birds-	3,432	3,805	3,972
Primary breeding flocks: 2/			
Flocks--proportion of total-------pct.-	19.1	17.8	11.4
Birds--proportion of total--------pct.-	15.8	18.5	16.1
Candidates for participation:			
Flocks----------number-	1,417	1,203	1,024
Birds in flocks----------number-	4,865,572	4,573,968	4,074,743
Birds tested----------number-	1,127,591	831,913	804,838
Proportion tested----------pct.-	23.2	18.2	19.8
Reactor flocks----------number-	1	1	0
Birds in reactor flocks---------number-	5,810	244	0
Reactors----------number-	59	11	0
U.S. M. GALLISEPTICUM CLEAN:			
Participating----------number-	241	249	257
Change from previous year---------pct.-	-3.2	+3.3	+3.2
Birds in flocks----------number-	1,928,197	1,943,705	2,081,378
Change from previous year---------pct.-	+11.2	+0.8	+6.6
Average per flock----------birds-	8,001	7,806	8,099
Proportion of birds in NPIP-------pct.-	39.7	42.5	51.1
Primary breeding flocks: 2/			
Flocks--proportion of total-------pct.-	52.7	41.4	25.3
Birds--proportion of total--------pct.-	27.0	23.4	17.7
Candidates for participation:			
Flocks----------number-	265	278	261
Birds in flocks----------number-	2,090,243	2,059,404	2,062,723
Birds tested----------number-	444,767	325,477	192,915
Proportion tested----------pct.-	21.3	15.8	9.3
Reactor flocks----------number-	15	8	8
U.S. M. SYNOVIAE CLEAN:			
Participating----------number-	88	203	179
Change from previous year---------pct.-	--	+130.7	-11.8
Birds in flocks----------number-	1,026,639	1,490,118	1,592,745
Change from previous year---------pct.-	--	+45.1	+6.9
Average per flock----------birds-	11,666	7,340	8,898
Proportion of birds in NPIP-------pct.-	21.1	32.6	39.1
Primary breeding flocks: 2/			
Flocks--proportion of total-------pct.-	33.0	47.8	27.4
Birds--proportion of total--------pct.-	23.2	28.2	14.2
Candidates for participation:			
Flocks----------number-	123	244	179
Birds in flocks----------number-	1,231,917	1,754,739	1,555,005
Birds tested----------number-	180,502	161,393	56,703
Proportion tested----------pct.-	14.7	9.2	3.6
Reactor flocks----------number-	16	9	8

1/ Data not reported for Delaware, Kentucky or Michigan.

2/ Birds maintained for the purpose of establishing, continuing, or improving parent line.

TABLE 3.--MEAT-TYPE CHICKEN BREEDING FLOCKS
in the National Poultry Improvement Plan
PARTICIPATION AND TESTING SUMMARY
TESTING YEARS 1976-77 to 1978-79

PROGRAM	1976-77	1977-78	1978-79 2/
U.S. PULLORUM-TYPHOID CLEAN:			
Participating----------number-	2,709	2,738	3,017
Change from previous year---------pct.-	+2.9	+1.1	+10.2
Birds in flocks----------number-	23,703,291	25,459,227	29,098,937
Change from previous year---------pct.-	+8.1	+7.4	+14.3
Average per flock----------birds-	8,749	9,298	9,645
Primary breeding flocks: 1/			
Flocks--proportion of total-------pct.-	24.6	15.8	10.8
Birds--proportion of total--------pct.-	10.9	12.3	8.4
Candidates for participation:			
Flocks----------number-	2,709	2,738	3,015
Birds in flocks----------number-	23,703,291	25,459,238	29,148,974
Birds tested----------number-	3,233,934	3,101,920	3,548,455
Proportion tested----------pct.-	13.6	12.2	12.2
Reactor flocks----------number-	0	0	0
Birds in reactor flocks---------number-	0	0	0
Reactors----------number-	0	0	0
U.S. M. GALLISEPTICUM CLEAN:			
Participating----------number-	1,027	936	1,057
Change from previous year---------pct.-	+13.9	-8.9	+12.9
Birds in flocks----------number-	8,805,565	7,271,075	9,697,685
Change from previous year---------pct.-	+35.10	-17.4	+33.4
Average per flock----------birds-	8,574	7,768	9,175
Proportion of birds in NPIP-------pct.-	37.1	28.6	33.3
Primary breeding flocks: 1/			
Flocks--proportion of total-------pct.-	57.6	36.4	30.3
Birds--proportion of total--------pct.-	22.4	28.3	22.0
Candidates for participation:			
Flocks----------number-	1,034	971	1,057
Birds in flocks----------number-	8,826,163	7,749,930	9,713,686
Birds tested----------number-	1,941,926	708,982	576,529
Proportion tested----------pct.-	22.0	9.1	5.9
Reactor flocks----------number-	4	3	1
U.S. M. SYNOVIAE CLEAN:			
Participating----------number-	908	897	1,008
Change from previous year---------pct.-	+20.1	-1.2	+12.4
Birds in flocks----------number-	7,516,863	6,762,380	9,155,210
Change from previous year---------pct.-	+46.9	-10.0	+35.4
Average per flock----------number-	8,278	7,539	9,083
Proportion of birds in NPIP-------pct.-	31.7	26.6	31.5
Primary breeding flocks: 1/			
Flocks--proportion of total-------pct.-	65.1	37.7	30.4
Birds--proportion of total--------pct.-	26.0	29.7	22.2
Candidates for participation:			
Flocks----------number-	940	918	1,009
Birds in flocks----------number-	7,814,909	7,088,220	9,145,244
Birds tested----------number-	1,417,918	293,267	234,775
Proportion tested----------pct.-	18.1	3.4	2.6
Reactor flocks----------number-	14	6	6

1/ Birds maintained for the purpose of establishing, continuing, or improving parent line.

2/ Data not reported for Delaware, Kentucky or Michigan.

TABLE 4.--TURKEY BREEDING FLOCKS
in the National Poultry Improvement Plan
PARTICIPATION AND TESTING SUMMARY
TESTING YEARS 1976-77 to 1978-79

PROGRAM	1976-77	1977-78	1978-79
U.S. PULLORUM-TYPHOID CLEAN:			
Participating----------number-	708	604	672
Change from previous year---------pct.-	-1.0	-14.7	+11.3
Birds in flocks----------number-	2,684,587	2,493,109	2,983,642
Change from previous year---------pct.-	-7.1	-7.1	+19.7
Average per flock----------birds-	3,792	4,128	4,440
Primary breeding flocks: 1/			
Flocks--proportion of total-------pct.-	20.3	18.8	18.6
Birds--proportion of total--------pct.-	14.4	12.7	12.7
Candidates for participation:			
Flocks----------number-	711	606	673
Birds in flocks----------number-	2,693,782	2,496,872	2,984,142
Birds tested----------number-	713,258	450,871	445,297
Proportion tested----------pct.-	26.5	18.1	14.9
Reactor flocks----------number-	0	0	0
Birds in reactor flocks---------number-	0	0	0
Reactors----------number-	0	0	0
U.S. M. GALLISEPTICUM CLEAN:			
Participating----------number-	700	554	663
Change from previous year---------pct.-	-1.5	-20.9	+19.7
Birds in flocks----------number-	2,676,460	2,284,605	2,973,577
Change from previous year---------pct.-	-2.1	-14.6	+30.2
Average per flock----------birds-	3,824	4,124	4,485
Proportion of birds in NPIP-------pct.-	99.7	91.6	99.7
Primary breeding flocks: 1/			
Flocks--proportion of total-------pct.-	20.1	18.7	18.7
Birds--proportion of total--------pct.-	14.8	12.7	12.7
Candidates for participation:			
Flocks----------number-	703	567	665
Birds in flocks----------number-	2,685,655	2,351,263	2,974,117
Birds tested----------number-	494,658	405,370	408,805
Proportion tested----------pct.-	18.4	17.2	13.7
Reactor flocks----------number-	0	0	1

1/ Birds maintained for the purpose of establishing, continuing, or improving parent line.

TABLE 5.--WATERFOWL, EXHIBITION POULTRY, AND GAME BIRD BREEDING FLOCKS
in the National Poultry Improvement Plan
PARTICIPATION AND TESTING SUMMARY
TESTING YEARS 1976-77 to 1978-79

PROGRAM	1976-77	1977-78	1978-79
U.S. PULLORUM-TYPHOID CLEAN:			
Participating----------number-	2,271	2,433	2,447
Change from previous year---------pct.-	+15.8	+7.1	+0.6
Birds in flocks----------number-	276,248	279,981	332,113
Change from previous year---------pct.-	+10.9	+1.3	+18.6
Average per flock----------birds-	122	115	136
Primary breeding flocks: 1/			
Flocks--proportion of total-------pct.-	94.3	92.0	69.4
Birds--proportion of total--------pct.-	97.6	83.0	67.8
Candidates for participation:			
Flocks----------number-	2,277	2,434	2,447
Birds in flocks----------number-	276,856	280,007	332,131
Birds tested----------number-	213,055	189,096	220,702
Proportion tested----------pct.-	77.0	67.5	66.5
Reactor flocks----------number-	7	1	1
Birds in reactor flocks---------number-	871	26	4
Reactors----------number-	31	1	1
U.S. M. GALLISEPTICUM CLEAN:			
Participating----------number-	13	1	3
Change from previous year---------pct.-	+44.4	-92.3	+200.0
Birds in flocks----------number-	3,058	400	259
Change from previous year---------pct.-	-46.0	-86.9	-35.3
Average per flock----------birds-	235	400	86
Proportion of birds in NPIP-------pct.-	1.1	0.1	0.1
Primary breeding flocks: 1/			
Flocks--proportion of total-------pct.-	30.1	0.0	33.0
Birds--proportion of total--------pct.-	47.6	0.0	10.4
Candidates for participation:			
Flocks----------number-	14	1	3
Birds in flocks----------number-	3,296	400	259
Birds tested----------number-	3,296	20	259
Proportion tested----------pct.-	100	5.0	100.0
Reactor flocks----------number-	0	0	0

1/ Birds maintained for the purpose of establishing, continuing, or improving parent line.

TABLE 6.--EGG-TYPE CHICKEN PARTICIPATION
in the National Poultry Improvement Plan
TESTING YEAR 1978-79

Region and State	HATCHERIES Includes both egg and meat types		FLOCKS					
			U.S. Pullorum-Typhoid Clean		U.S. M. Gallisepticum Clean		U.S. M. Synoviae Clean	
	Number	Egg capacity	Flocks	Birds	Flocks	Birds	Flocks	Birds
N.A.:								
ME------	5	3,050,160	5	32,313	5	32,313	5	32,313
NH------	2	1,242,000	5	30,250	5	30,250	3	27,472
VT------	--	--	--	--	--	--	--	--
MA------	6	1,596,330	35	130,343	35	130,343	--	--
RI------	--	--	4	3,458	--	--	--	--
CT------	6	1,765,360	7	115,000	7	115,000	6	80,000
NY------	4	1,749,660	23	130,237	23	130,237	--	--
NJ------	6	2,204,900	24	4,225	--	--	--	--
PA------	25	9,935,540	54	284,019	22	213,176	22	213,716
Total-	54	21,543,950	157	729,845	97	651,319	36	353,501
E.N.C.:								
OH------	15	3,991,001	75	160,870	1	19,380	--	--
IN------	26	7,633,500	66	324,296	5	105,996	5	105,996
IL------	24	3,633,716	41	127,462	13	44,508	13	44,508
MI------	4	1,267,919	1/	1/	1/	1/	1/	1/
WI------	7	2,718,000	12	37,600	--	--	--	--
Total-	76	19,244,136	194	650,228	19	169,884	18	150,504
W.N.C.:								
MN------	24	7,701,971	33	166,750	2	34,225	--	--
IA------	27	6,220,560	71	285,624	--	--	--	--
MO------	13	4,956,000	157	128,848	--	--	--	--
ND------	4	329,313	5	973	--	--	--	--
SD------	13	1,344,000	22	33,110	--	--	--	--
NE------	19	1,938,908	59	35,247	--	--	--	--
KS------	17	1,746,473	25	51,432	3	18,487	3	18,487
Total-	118	24,237,225	372	701,984	5	52,721	3	18,487
S.A.:								
DE------	15	12,853,236	1/	1/	1/	1/	1/	1/
MD------	11	17,853,280	7	22,100	7	22,100	7	22,100
VA------	4	7,214,280	4	45,700	--	--	--	--
WV------	--	--	--	--	--	--	--	--
NC------	40	38,637,740	9	65,486	5	30,016	5	30,016
SC------	6	2,750,000	9	35,070	5	16,111	5	16,111
GA------	46	57,839,208	37	388,350	19	166,446	16	126,625
FL------	15	14,534,220	37	409,422	30	332,401	25	276,801
Total-	137	151,681,964	103	966,128	66	567,074	58	462,653
S.C.:								
KY------	8	1,613,000	1/	1/	1/	1/	1/	1/
TN------	9	2,384,000	15	40,122	8	22,500	8	22,500
AL------	37	47,060,624	26	110,215	11	25,519	11	25,519
MS------	22	26,889,228	13	97,319	5	83,719	5	83,719
AR------	28	38,249,400	29	313,091	29	313,091	29	313,091
LA------	4	4,630,000	--	--	--	--	--	--
OK------	5	936,500	48	10,267	--	--	--	--
TX------	14	5,209,620	15	151,045	9	130,438	7	101,649
Total-	127	126,972,372	146	722,059	62	575,267	60	546,478
WEST.:								
MT------	2	400,896	1	2,795	--	--	--	--
ID------	3	1,178,000	9	52,800	--	--	--	--
WY------	--	--	--	--	--	--	--	--
CO------	2	223,000	4	4,000	4	4,000	--	--
NM------	2	147,000	1	5,600	--	--	--	--
AZ------	--	--	--	--	--	--	--	--
UT------	1	96,000	1	5,000	--	--	--	--
WA------	7	2,229,304	17	87,385	4	61,122	4	61,122
OR------	10	3,834,500	15	57,718	--	--	--	--
CA------	6	1/	6	89,250	--	--	--	--
Total-	33	8,108,700	54	304,548	8	65,122	4	61,122
U.S. total-	545	351,788,347	1,026	4,074,792	257	2,081,378	179	1,592,745

1/ Not reported.

TABLE 7.--EGG-TYPE CHICKEN PARTICIPATION
in the National Poultry Improvement Plan
TESTING YEAR 1977-78

Region and State	HATCHERIES Includes both egg and meat types		FLOCKS					
			U.S. Pullorum-Typhoid Clean		U.S. Gallisepticum Clean		U.S. M. Synoviae Clean	
	Number	Egg capacity	Flocks	Birds	Flocks	Birds	Flocks	Birds
N.A.:								
ME------	7	3,577,960	7	37,225	7	37,225	7	37,225
NH------	3	1,338,000	8	38,044	6	37,651	4	35,132
VT------	--	--	1	5,867	1	5,867	1	5,867
MA------	7	1,596,330	5	106,776	5	106,776	1	20,352
RI------	--	--	4	2,652	2	2,630	--	--
CT------	5	1,526,080	16	79,000	16	79,000	16	79,000
NY------	5	2,403,180	14	206,419	3	160,110	3	160,110
NJ------	6	2,204,900	15	11,593	--	--	--	--
PA------	26	10,261,140	43	250,211	14	129,510	14	129,510
Total-	59	22,907,590	113	737,787	54	558,769	46	467,196
E.N.C:								
OH------	14	3,686,249	88	188,509	6	40,546	--	--
IN------	27	7,550,000	68	402,636	4	78,345	--	--
IL------	27	3,229,536	86	97,798	65	60,567	65	60,567
MI------	5	1,181,360	10	82,401	10	82,401	--	--
WI------	7	2,233,000	11	51,100	--	--	--	--
Total-	80	17,880,145	263	822,444	85	261,859	65	60,567
W.N.C.:								
MN------	24	7,298,500	44	201,102	--	--	--	--
IA------	44	6,260,320	72	259,092	--	--	--	--
MO------	16	5,101,000	272	172,307	--	--	--	--
ND------	4	329,313	8	1,821	--	--	--	--
SD------	13	1,344,000	19	37,925	--	--	--	--
NE------	23	2,150,808	55	30,974	--	--	--	--
KS------	11	1,785,200	23	33,045	--	--	--	--
Total	135	24,269,141	493	736,266	--	--	--	--
S.A.:								
DE------	8	12,853,236	*	*	*	*	*	*
MD------	10	16,797,280	6	12,677	6	12,677	6	12,677
VA------	4	2,031,000	6	38,055	--	--	--	--
WV------	--	--	--	--	--	--	--	--
NC------	43	37,698,400	10	70,939	2	10,759	2	10,759
SC------	7	3,146,000	9	48,020	4	16,179	4	16,179
GA------	46	49,402,052	37	398,641	12	185,394	10	160,467
FL------	15	13,850,260	35	418,955	27	337,463	24	304,572
Total-	133	135,778,228	103	987,287	51	562,472	46	504,654
S.C.:								
KY------	8	844,000	6	94,240	--	--	--	--
TN------	7	1,521,000	27	49,701	--	--	--	--
AL------	38	46,524,160	20	91,333	3	7,453	3	7,453
MS------	22	24,790,428	14	121,046	7	106,610	7	106,610
AR------	29	30,541,080	22	260,762	22	260,762	19	212,495
LA------	4	3,704,000	1	4,500	--	--	--	--
OK------	5	1,271,500	45	10,934	--	--	--	--
TX------	15	5,689,680	24	209,471	8	111,797	4	62,860
Total-	128	114,885,848	159	841,987	40	486,622	33	389,418
WEST.:								
MT------	2	400,995	1	597	--	--	--	--
ID------	3	795,280	8	58,300	--	--	--	--
WY------	--	--	--	--	--	--	--	--
CO------	2	223,000	6	5,700	6	5,700	--	--
NM------	--	--	--	--	--	--	--	--
AZ------	--	--	--	--	--	--	--	--
UT------	2	122,000	1	5,000	--	--	--	--
WA------	7	2,258,756	16	103,895	13	68,283	13	68,283
OR------	9	3,455,000	26	62,315	--	--	--	--
CA------	7	1/	13	212,146	--	--	--	--
Total-	32	7,255,031	71	447,953	19	73,983	13	68,283
U.S. total	567	322,975,983	1,202	4,573,724	249	1,943,705	203	1,490,118

* Data not received in time for publication.
1/ Not reported.

TABLE 8.--MEAT-TYPE CHICKEN PARTICIPATION
in the National Poultry Improvement Plan
TESTING YEAR 1978-79

Region and State	FLOCKS					
	U.S. Pullorum-Typhoid Clean		U.S. M. Gallisepticum Clean		U.S. M. Synoviae Clean	
	Flocks	Birds	Flocks	Birds	Flocks	Birds
N.A.:						
ME------	18	148,214	18	148,214	18	148,214
NH------	45	176,036	45	176,036	45	176,036
VT------	10	35,556	10	35,556	10	35,556
MA------	23	73,921	23	73,921	--	--
RI------	2	25	--	--	--	--
CT------	2	137,000	2	137,000	1	131,000
NY------	--	--	--	--	--	--
NJ------	--	--	--	--	--	--
PA------	73	562,530	--	--	--	--
Total-	173	1,133,282	98	570,727	74	490,806
E.N.C.:						
OH------	3	3,647	--	--	--	--
IN------	43	171,959	27	39,434	27	39,434
IL------	5	2,519	--	--	--	--
MI------	1/	1/	1/	1/	1/	1/
WI------	23	109,259	--	--	--	--
Total-	74	287,384	27	39,434	27	39,434
W.N.C.:						
MN------	31	185,780	--	--	--	--
IA------	3	1,905	--	--	--	--
MO------	121	25,031	--	--	--	--
ND------	--	--	--	--	--	--
SD------	--	--	--	--	--	--
NE------	38	17,342	--	--	--	--
KS------	3	2,353	--	--	--	--
Total-	196	232,411	--	--	--	--
S.A.:						
DE------	1/	1/	1/	1/	1/	1/
MD------	87	881,534	61	446,640	65	383,957
VA------	49	391,917	13	109,750	13	109,750
WV------	--	--	--	--	--	--
NC------	696	7,150,353	69	442,013	69	442,013
SC------	27	285,664	--	--	--	--
GA------	627	7,023,946	50	471,589	49	460,089
FL------	60	870,056	56	819,157	30	431,186
Total-	1,546	16,603,470	249	2,289,149	226	1,826,995
S.C.:						
KY------	1/	1/	1/	1/	1/	1/
TN------	25	170,687	6	35,000	6	35,000
AL------	338	4,074,959	31	247,161	31	247,161
MS------	249	2,581,519	249	2,581,519	249	2,581,519
AR------	351	3,421,818	351	3,421,818	351	3,421,818
LA------	18	405,365	18	405,365	18	405,365
OK------	--	--	--	--	--	--
TX------	33	119,070	23	97,034	23	97,034
Total-	1,014	10,773,418	678	6,787,897	678	6,787,897
WEST.:						
MT------	2	890	--	--	--	--
ID------	--	--	--	--	--	--
WY------	--	--	--	--	--	--
CO------	3	1,100	3	1,100	1	700
NM------	1	2,000	--	--	--	--
AZ------	--	--	--	--	--	--
UT------	--	--	--	--	--	--
WA------	6	50,618	2	9,378	2	9,378
OR------	2	14,400	--	--	--	--
CA------	--	--	--	--	--	--
Total-	14	69,008	5	10,478	3	10,078
U.S. total-	3,017	29,098,973	1,057	9,697,685	1,008	9,155,210

NOTE: Information on meat-type chicken hatcheries included in table 6.

1/ Not reported.

TABLE 9.--MEAT-TYPE CHICKEN PARTICIPATION
in the National Poultry Improvement Plan
TESTING YEAR 1977-78

Region and State	FLOCKS					
	U.S. Pullorum-Typhoid Clean		U.S. M. Gallisepticum Clean		U.S. M. Synoviae Clean	
	Flocks	Birds	Flocks	Birds	Flocks	Birds
N.A.:						
ME---------	20	63,386	20	63,386	20	63,386
NH---------	22	158,469	22	158,469	22	158,469
VT---------	7	22,572	7	22,572	7	22,572
MA---------	3	56,116	3	56,116	3	56,116
RI---------	3	40	--	--	--	--
CT---------	11	143,000	11	143,000	11	143,000
NY---------	--	--	--	--	--	--
NJ---------	1	82	--	--	--	--
PA---------	72	594,906	1	13,951	1	13,951
Total----	139	1,038,571	64	457,494	64	457,494
E.N.C.:						
OH---------	3	2,903	--	--	--	--
IN---------	40	136,926	27	40,559	27	40,559
IL---------	10	3,800	--	--	--	--
MI---------	--	--	--	--	--	--
WI---------	24	112,227	--	--	--	--
Total----	77	255,856	27	40,559	27	40,559
W.N.C:						
MN---------	29	142,188	--	--	--	--
IA---------	8	1,542	--	--	--	--
MO---------	13	8,581	--	--	--	--
ND---------	--	--	--	--	--	--
SD---------	9	3,825	--	--	--	--
NE---------	33	20,708	--	--	--	--
KS---------	7	3,283	--	--	--	--
Total----	99	180,127	--	--	--	--
S.A.:						
DE---------	*	*	*	*	*	*
MD---------	216	956,791	216	956,791	216	956,791
VA---------	54	430,333	--	--	--	--
WV---------	--	--	--	--	--	--
NC---------	566	5,723,204	72	378,622	72	378,622
SC---------	9	87,010	--	--	--	--
GA---------	517	5,844,839	28	294,193	28	294,193
FL---------	52	762,735	40	595,256	9	149,613
Total----	1,414	13,804,912	356	2,224,862	325	1,779,219
S.C.:						
KY---------	2	36,125	--	--	--	--
TN---------	18	86,130	--	--	--	--
AL---------	344	3,989,745	40	260,708	40	260,708
MS---------	251	2,451,830	251	2,451,830	248	2,423,378
AR---------	347	3,185,435	183	1,764,001	180	1,730,501
LA---------	17	321,755	--	--	--	--
OK---------	2	54	--	--	--	--
TX---------	13	55,997	9	54,337	9	54,337
Total----	994	10,127,071	483	4,530,876	477	4,468,924
WEST.:						
MT---------	1	299	--	--	--	--
ID---------	--	--	--	--	--	--
WY---------	--	--	--	--	--	--
CO---------	2	1,100	2	1,100	--	--
NM---------	--	--	--	--	--	--
AZ---------	--	--	--	--	--	--
UT---------	--	--	--	--	--	--
WA---------	10	47,331	4	16,184	4	16,184
OR---------	2	3,960	--	--	--	--
CA---------	--	--	--	--	--	--
Total----	15	52,690	6	17,284	4	16,184
U.S. total---	2,738	25,459,227	936	7,271,075	897	6,762,380

NOTE: Information on meat-type chicken hatcheries included in table 6.
* Data not received in time for publication.

TABLE 10.--TURKEY PARTICIPATION
in the National Poultry Improvement Plan
TESTING YEAR 1978-79

Region and State	HATCHERIES		FLOCKS			
			U.S. Pullorum-Typhoid Clean		U.S. M. Gallisepticum Clean	
	Number	Egg capacity	Flocks	Birds	Flocks	Birds
N.A.:						
ME------	--	--	--	--	--	--
NH------	2	89,500	3	1,883	3	1,883
VT------	--	--	--	--	--	--
MA------	--	--	2	174	--	--
RI------	1	12,000	1	250	--	--
CT------	--	--	--	--	--	--
NY------	1	40,000	1	1,183	1	1,183
NJ------	2	142,000	1	25	--	--
PA------	6	460,000	--	--	--	--
Total-	12	743,500	8	3,515	4	3,066
E.N.C.:						
OH------	5	1,864,824	23	120,850	23	120,850
IN------	2	705,000	--	--	--	--
IL------	3	529,792	22	76,897	22	76,897
MI------	1	617,188	1/	1/	1/	1/
WI------	3	1,062,000	26	81,800	26	81,000
Total-	14	4,778,804	71	279,547	71	279,547
W.N.C.:						
MN------	12	8,542,844	149	658,975	149	658,975
IA------	5	1,135,000	21	73,037	21	73,037
MO------	6	1,662,000	24	87,900	24	87,900
ND------	1	45,000	--	--	--	--
SD------	--	--	--	--	--	--
NE------	1	200,000	2	12,450	2	12,450
KS------	1	559,593	--	--	--	--
Total-	26	12,144,437	196	832,362	196	832,362
S.A.:						
DE------	--	--	1/	1/	1/	1/
MD------	1	11,000	1	650	--	--
VA------	3	1,440,764	43	173,489	42	167,970
WV------	--	--	--	--	--	--
NC------	8	3,495,424	107	581,001	107	581,001
SC------	1	832,000	1	3,200	--	--
GA------	1	325,000	1	19,000	1	19,000
FL------	3	83,040	1	207	--	--
Total-	17	6,187,228	154	777,547	150	767,971
S.C.:						
KY------	--	--	1/	1/	1/	1/
TN------	--	--	--	--	--	--
AL------	--	--	--	--	--	--
MS------	--	--	--	--	--	--
AR------	2	1,204,800	19	83,771	19	83,771
LA------	--	--	--	--	--	--
OK------	2	454,400	--	--	--	--
TX------	6	2,153,692	56	333,427	56	333,427
Total-	10	3,812,892	75	417,198	75	417,198
WEST.:						
MT------	--	--	--	--	--	--
ID------	--	--	--	--	--	--
WY------	--	--	--	--	--	--
CO------	2	945,000	7	34,000	7	34,000
NM------	--	--	--	--	--	--
AZ------	--	--	--	--	--	--
UT------	2	810,000	2	30,000	2	30,000
WA------	--	--	2	9,150	2	9,150
OR------	3	594,064	20	66,604	20	66,604
CA------	9	1/	137	533,719	136	533,679
Total-	16	2,349,064	168	673,473	167	673,433
U.S. total-	95	30,015,925	672	2,983,642	663	2,973,577

1/ Not reported.

TABLE 11.--TURKEY PARTICIPATION
in the National Poultry Improvement Plan
TESTING YEAR 1977-78

Region and State	HATCHERIES		FLOCKS			
			U.S. Pullorum-Typhoid Clean		U.S. M. Gallisepticum Clean	
	Number	Egg capacity	Flocks	Birds	Flocks	Birds
N.A.:						
ME------	--	--	--	--	--	--
NH------	2	89,500	3	1,902	3	1,902
VT------	--	--	--	--	--	--
MA------	--	--	14	959	14	959
RI------	1	12,000	1	239	1	239
CT------	1	60,000	--	--	--	--
NY------	2	77,000	1	4,456	1	4,456
NJ------	2	142,000	--	--	--	--
PA------	5	412,000	--	--	--	--
Total-	13	792,500	19	7,556	19	7,556
E.N.C.:						
OH------	6	1,912,131	21	82,200	21	82,200
IN------	2	616,000	4	8,470	4	8,470
IL------	3	529,792	18	50,944	18	50,944
MI------	1	434,000	14	28,000	14	28,000
WI------	3	1,062,000	20	72,150	20	72,150
Total-	15	4,553,923	77	241,764	77	241,764
W.N.C.:						
MN------	12	6,975,572	154	582,856	154	582,856
IA------	5	860,000	22	53,086	13	30,557
MO------	8	2,060,000	24	87,900	24	87,900
ND------	1	45,000	--	--	--	--
SD------	--	--	--	--	--	--
NE------	1	200,000	2	9,130	2	9,130
KS------	1	559,593	--	--	--	--
Total-	28	10,700,165	202	732,972	193	710,443
S.A.:						
DE------	--	--	--	--	--	--
MD------	1	11,000	1	657	--	--
VA------	3	1,416,764	35	150,795	--	--
WV------	--	--	--	--	--	--
NC------	8	3,416,224	73	449,484	73	449,484
SC------	1	832,000	2	3,361	--	--
GA------	1	325,000	1	21,900	1	21,900
FL------	3	83,040	1	270	--	--
Total-	17	6,084,028	113	626,467	74	471,384
S.C.:						
KY------	--	--	--	--	--	--
TN------	--	--	--	--	--	--
AL------	--	--	--	--	--	--
MS------	--	--	--	--	--	--
AR------	2	856,000	10	63,345	10	63,345
LA------	--	--	--	--	--	--
OK------	3	459,400	--	--	--	--
TX------	7	2,153,692	49	329,164	49	329,164
Total-	12	3,469,092	59	392,509	59	392,509
WEST.:						
MT------	--	--	--	--	--	--
ID------	--	--	--	--	--	--
WY------	--	--	--	--	--	--
CO------	2	945,000	8	26,800	8	26,800
NM------	--	--	--	--	--	--
AZ------	--	--	--	--	--	--
UT------	2	810,000	1	30,000	--	--
WA------	--	--	2	6,970	2	6,970
OR------	3	594,064	13	6,190	12	5,298
CA------	9	1/	110	421,881	110	421,881
Total-	16	2,349,064	134	491,841	132	460,949
U.S. total-	101	27,948,772	604	2,493,109	554	2,284,605

1/ Not reported.

TABLE 12.--WATERFOWL, EXHIBITION POULTRY, AND GAME BIRD PARTICIPATION
in the National Poultry Improvement Plan
TESTING YEAR 1978-79

Region and State	HATCHERIES		FLOCKS			
			U.S. Pullorum-Typhoid Clean		U.S. M. Gallisepticum Clean	
	Number	Egg capacity	Flocks	Birds	Flocks	Birds
N.A.:						
ME------	--	--	36	482	--	--
NH------	--	--	36	1,394	--	--
VT------	--	--	16	748	--	--
MA------	--	--	310	11,846	--	--
RI------	--	--	16	511	1	27
CT------	1	117,000	223	8,909	--	--
NY------	7	26,046	59	13,125	--	--
NJ------	5	71,000	34	3,105	--	--
PA------	49	575,164	94	31,010	--	--
Total-	62	789,210	824	71,130	1	27
E.N.C.:						
OH------	8	850,489	85	17,091	--	--
IN------	8	14,900	21	7,218	--	--
IL------	55	125,004	115	7,607	--	--
MI------	1	228,750	1/	1/	1/	1/
WI------	16	384,200	12	9,641	--	--
Total-	88	1,603,343	233	41,557	--	--
W.N.C.:						
MN------	23	636,476	103	35,814	2	232
IA------	5	486,300	67	30,357	--	--
MO------	3	500,000	48	15,186	--	--
ND------	1	57,500	--	--	--	--
SD------	7	163,700	13	9,361	--	--
NE------	3	15,600	7	365	--	--
KS------	4	78,000	36	3,705	--	--
Total-	46	1,937,576	274	94,788	2	232
S.A.:						
DE------	1/	1/	1/	1/	1/	1/
MD------	2	800	148	7,980	--	--
VA------	--	--	205	5,791	--	--
WV------	1	960	3	118	--	--
NC------	4	179,000	88	33,891	--	--
SC------	--	--	38	1,325	--	--
GA------	7	29,129	71	7,754	--	--
FL------	15	35,714	67	9,302	--	--
Total-	29	245,603	620	66,161	--	--
S.C.:						
KY------	2	23,500	1/	1/	1/	1/
TN------	7	78,000	11	2,945	--	--
AL------	27	19,975	43	4,165	--	--
MS------	39	312,880	94	17,718	--	--
AR------	--	--	13	7,180	--	--
LA------	28	54,700	37	13,483	--	--
OK------	13	209,500	246	5,380	--	--
TX------	18	9,800	7	2,811	--	--
Total-	134	708,405	451	53,682	--	--
WEST.:						
MT------	1	1,080	1	1,080	--	--
ID------	--	--	--	--	--	--
WY------	--	--	--	--	--	--
CO------	--	--	--	--	--	--
NM------	--	--	12	678	--	--
AZ------	--	--	--	--	--	--
UT------	--	--	6	200	--	--
WA------	1	5,000	5	857	--	--
OR------	8	300	17	1,229	--	--
CA------	--	--	4	751	--	--
Total-	10	6,380	45	4,795	--	--
U.S. total-	370	5,290,517	2,447	332,113	3	259

1/ Not reported.

TABLE 13.--WATERFOWL, EXHIBITION POULTRY, AND GAME BIRD PARTICIPATION
in the National Poultry Improvement Plan
TESTING YEAR 1977-78

Region and State	HATCHERIES		FLOCKS			
			U.S. Pullorum-Typhoid Clean		U.S. M. Gallisepticum Clean	
	Number	Egg capacity	Flocks	Birds	Flocks	Birds
N.A.:						
ME------	--	--	28	594	--	--
NH------	--	--	29	924	--	--
VT------	--	--	--	--	--	--
MA------	--	--	343	14,185	--	--
RI------	--	--	15	1,349	1	400
CT------	14	135,400	308	5,122	--	--
NY------	18	27,086	41	11,309	--	--
NJ------	5	71,000	55	2,005	--	--
PA------	41	290,884	45	11,030	--	--
Total-	78	524,370	864	46,518	1	400
E.N.C.:						
OH------	6	844,426	39	17,026	--	--
IN------	8	15,200	46	1,948	--	--
IL------	50	122,964	89	7,451	--	--
MI------	--	--	--	--	--	--
WI------	13	355,200	11	15,212	--	--
Total-	77	1,337,790	185	41,637	--	--
W.N.C.:						
MN------	23	639,796	108	27,686	--	--
IA------	8	324,770	87	27,946	--	--
MO------	1	250,000	45	11,584	--	--
ND------	2	57,500	2	210	--	--
SD------	6	103,200	11	9,841	--	--
NE------	3	4,800	36	694	--	--
KS------	6	81,500	23	3,183	--	--
Total-	49	1,461,566	312	81,144	--	--
S.A.:						
DE------	--	--	--	--	--	--
MD------	5	800	62	5,939	--	--
VA------	--	--	54	3,555	--	--
WV------	--	--	--	--	--	--
NC------	3	58,000	90	20,342	--	--
SC------	--	--	36	1,665	--	--
GA------	5	19,304	69	8,367	--	--
FL------	14	27,464	91	6,036	--	--
Total-	27	105,568	402	45,904	--	--
S.C.:						
KY------	2	23,500	4	6,380	--	--
TN------	11	80,000	108	3,276	--	--
AL------	37	21,270	39	1,071	--	--
MS------	28	296,630	146	23,754	--	--
AR------	--	--	13	7,200	--	--
LA------	26	50,100	28	8,447	--	--
OK------	16	223,769	222	9,796	--	--
TX------	24	12,250	12	1,668	--	--
Total-	144	707,519	572	61,592	--	--
WEST.:						
MT------	1	83	--	--	--	--
ID------	--	--	--	--	--	--
WY------	--	--	--	--	--	--
CO------	--	--	--	--	--	--
NM------	--	--	--	--	--	--
AZ------	--	--	--	--	--	--
UT------	--	--	2	200	--	--
WA------	2	27,400	6	241	--	--
OR------	2	85,300	81	948	--	--
CA------	2	1/	9	1,797	--	--
Total-	7	112,783	98	3,186	--	--
U.S.total-	382	4,249,596	2,433	279,981	1	400

1/ Not reported.

*U.S. GOVERNMENT PRINTING OFFICE : 1980 O-310-945/APHIS-101

UNITED STATES DEPARTMENT OF AGRICULTURE

NATIONAL POULTRY IMPROVEMENT PLAN
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BELTSVILLE, MD 20705

POSTAGE AND FEES PAID
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AGRICULTURE
AGR 101

U.S.MAIL

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